User Manual

Version 4.5

Genesis Electronics
Australia Pty Ltd

Procedures and contacts:

Installer/Service contact:

Monitoring company:

Monitoring account code:

Local police:

In emergency, contact:

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Introduction

The Genesis system is an advanced and fully integrated security system. It not only offers security and access control functions, it is also a powerful building automation system in the one product. It is easy to use and with its many features The Genesis system is the leader in innovative security / access control field.

The system can be programmed to function in a number of different ways. The way that your system functions will depend on the requirements of your organisation. This may vary from one site to another.

Your system may not utilise all of the features that are listed in this guide. It should also be noted that some of the features may not be authorised to all of the system users and therefore some of features may not be available to all.

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Getting Started - Entering your PIN

No changes or control can be started until the user enters their Personal Identification Number (PIN). There are two possible methods for entering your PIN, depending upon your user number.

Users 1-99

If you have a user number between 1 and 99, you only need to enter your PIN. In fact, you don't need to know your user number.

The procedure is:

- Enter your PIN
- Press ENTER

For example, if your PIN is **5609** then you would press:

5 JKL 6 MNO 0 9 wxy ENTER

Users 102 upwards

If you have a user number above 101, you must enter your user number and PIN.
The procedure is:

- Press ENTER
- Enter your user number ENTER
- Press ENTER
- Enter your PIN
- Press ENTER

For example, if you are user **123** and your PIN is **3125** then you would press:

ENTER 1 QZ 2 ABC 3 DEF ENTER 3 DEF 1 QZ 2 ABC 5 JKL ENTER

Duress Code Feature

Genesis has an option to alert your monitoring centre if you have been forced to disarm your alarm system under duress. ie. An intruder has threatened you, and is entering the premises with you under force.

In order to activate the Duress Code, it is simply a matter of incrementing your last digit PIN number by one (1) digit.

ie. If your PIN number is **1234**, your duress code would be **1235**

The duress code will perform all normal system functions, including arming, disarming and entering menus, however it will send a Duress signal to your monitoring centre.

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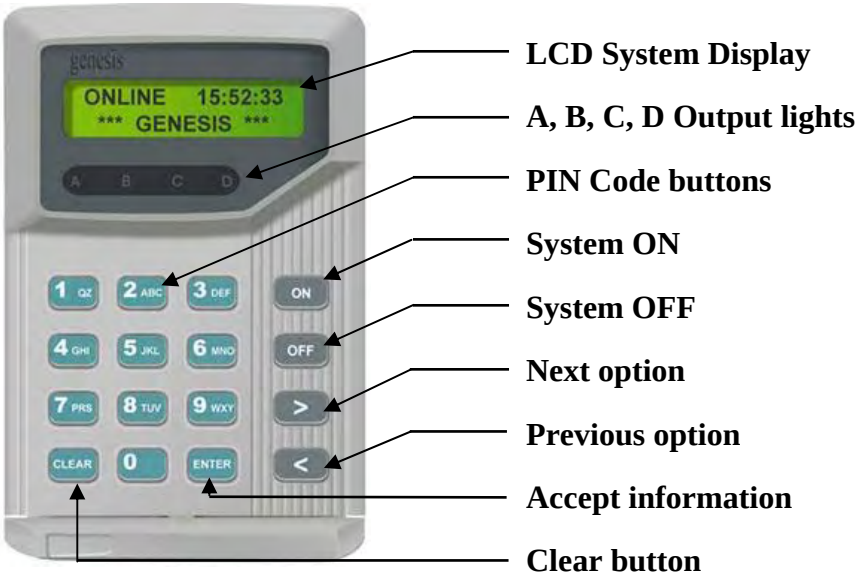
Remote Access Station “RAS”

The LCD display is where the Genesis system messages are displayed.
These messages will guide you through the functions of the Genesis. The functions include the identification of faults, programming functions and other menu options. The display may also show information you have entered on to the system.

The LCD display is 2 lines of 16 characters. The relevant information that you may need to locate can be found using the scroll keys < > The scroll keys can also be used to access menus and to add or delete information as explained throughout this manual.

“Remote Access Station” layout



"RAS" Function KEYS

Key	Function
0 to 9 wxy	The numbered buttons on the keypad allow you to enter your PIN or enter information.
CLEAR	This button is used to clear information or cancel an action. If in doubt at any stage, press CLEAR a couple times to exit out of the operation. It is also used to enter the RAS menu
ENTER	Button is used to accept information, and to acknowledge messages.
ON	This is used to arm an area, or turn on the displayed option.
OFF	This is used to disarm an area, or turn off the displayed option.
>	The Next button is used to view the next available option on the RAS.
<	The Previous button is used to view the previous available RAS option.

LED Lights

There are 4 indicator LED lights located just below the LCD display. They are marked A, B, C, and D. These lights can be pre-programmed by the installation Company to indicate system status at a glance. Because these lights can be pre-programmed to indicate a variety of functions you may want your technician to log their meaning, in the table provided below.

Key	Function
LED A	
LED B	
LED C	
LED D	

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Arming and Disarming Areas

An armed area will be monitored for intruders and generate an alarm. A disarmed area will not monitor its inputs and consequently can be entered without generating alarms. Disarming procedure will depend on how your system is programmed.

- Each (RAS) controls specific Areas; only these Areas controlled by the (RAS) can be disarmed at that Remote Access Station (RAS)
- Each PIN will only be authorised to Arm/disarm specific areas, when disarm procedure is used; only those areas assigned to the PIN will be disarmed.
- If there is a current alarm condition displayed when you disarm your system, the alarm will reset. To determine the cause of the alarm, use the function keys to determine the *Event History*. Go to page 13 for procedure to view event history.

➢ Enter your PIN, followed by ENTER The first available area will be displayed.

➢ Press < or > until the required area is displayed.

➢ To arm an area press ON If the area is successfully armed, the remote access station will give a short beep and the description on the second line will change to secure.

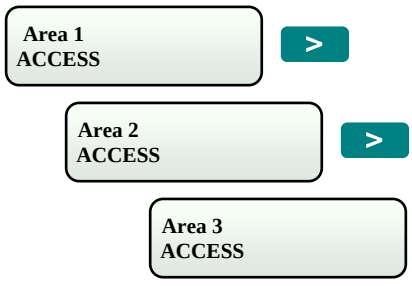
➢ To disarm an area press OFF If the Area is successfully disarmed, the remote arming station will give a short beep and the description on the second line will change to access.

For example, if your PIN is 5609, and you wish to arm area 2, you would press

5 JKL 6 MNO 0 9 wxy ENTER > ON

➢ Use the < > to navigate through the

menu as follows.



➢ When the desired menu option is displayed on the RAS, press ON or OFF

Access Control using RAS

If your PIN is programmed to be used as an access control keypad and can be used to operate a door lock, follow the procedure below.

➢ As an example if your PIN was 5609 you would enter..

5 JKL 6 MNO 0 9 wxy + ENTER ENTER to access the door.

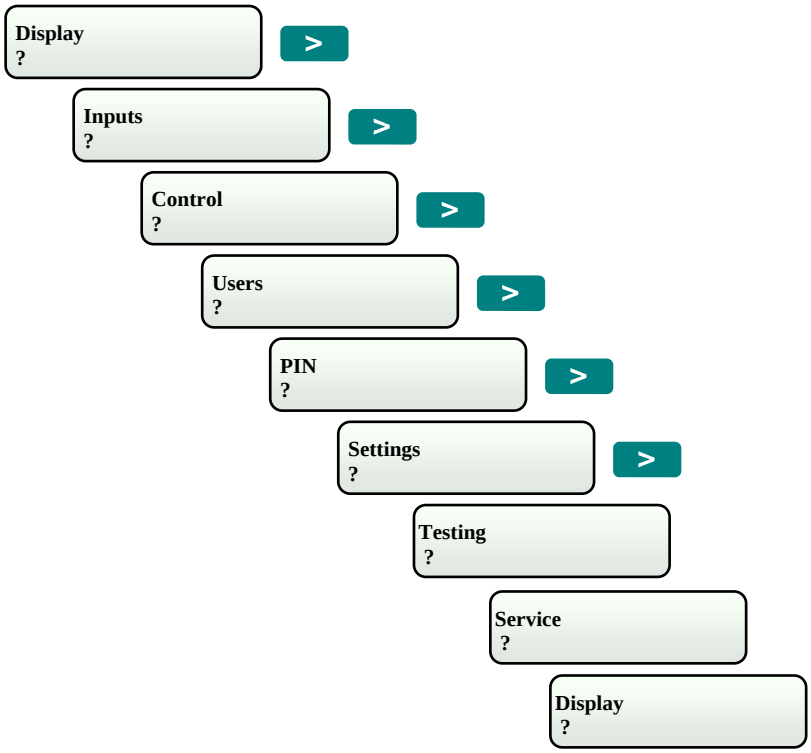
Navigating the Menu

- Enter your PIN, followed by ENTER The first available area will be displayed.

It is also possible to use the Remote Access Station (RAS) to control other functions of your system, and to interrogate it as to the systems current status. This is done through the use of the RAS menu functions. Users may not have access to some menu functions, depending on the level of access provided to their user number.

Enter the Menu

- Enter your PIN 5 JKL 6 MNO 0 9 wxy
- Press ENTER
- Press CLEAR
- The Genesis menu will appear.



- When the desired menu option is displayed on the RAS, press ENTER

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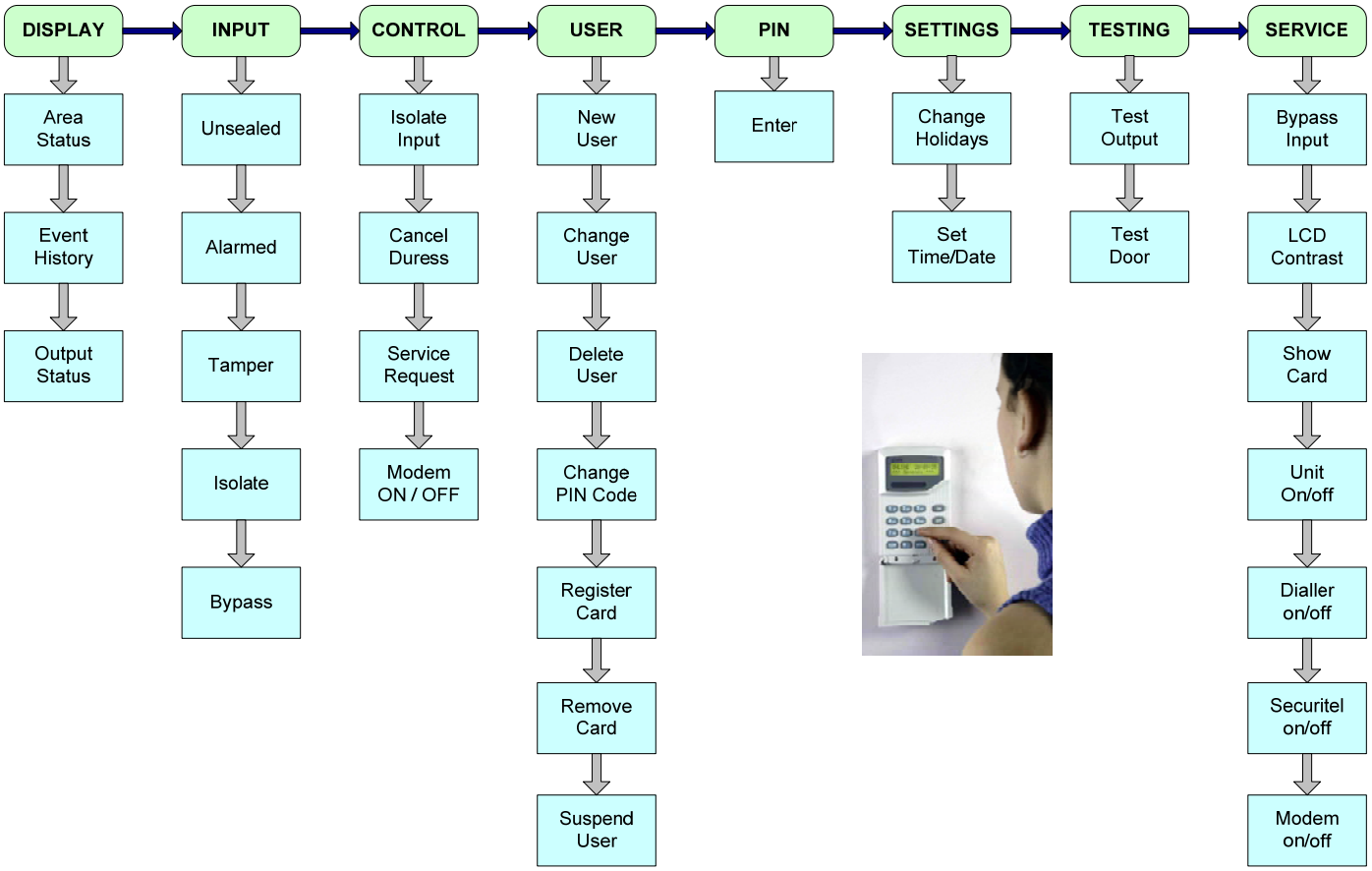
RAS Programming Flowchart



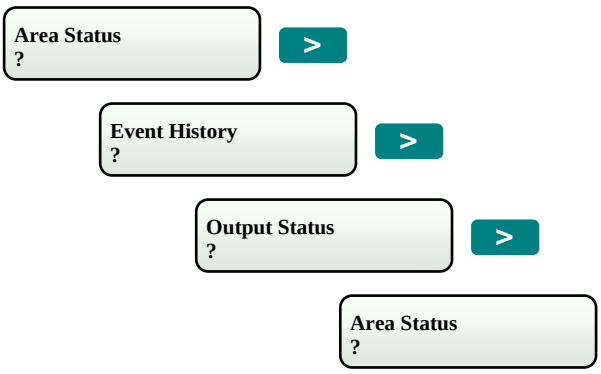
Display Menu

Area Status > Event History > Output Status

The Display Menu allows the user to view the status of Areas, to view the system Event Log and to view the status of the systems Outputs.

To view any of these options:

- Enter your PIN [5 JKL] [6 MNO] [0] [9 wxy]
- Press [ENTER]
- Press [CLEAR] the Genesis menu will appear, with **DISPLAY ?** showing on the screen
- Press [ENTER]
- Use the [<] or [>] keys to navigate through the **DISPLAY** menu as follows:



- When the desired menu option is displayed on the RAS, press [ENTER]

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Display Menu (continued)

– This option is used to view the current status of the area selected.

Use previous < or > next key to scroll through the areas, allowing you to see their current status.

Once you have the Area status menu appear, press ENTER to select the option. You will always see Area 1, or your lowest authorised area appear first.

– Use the scroll keys < or > to scroll through a summary of the event log, with each event being time and date stamped.

Use the 9 wxy key to view the most recent event, and 7 PRS key to view the least recent event. When the event history is displayed press the key 1 QZ 2 ABC or 3 DEF to view the event history.

Use the scroll keys < > to scroll through each of the events allowing you to view more detail on each event. Press CLEAR twice at any time to exit completely from the menu currently being viewed.

– Use the < or > keys to scroll through each of the outputs, allowing you to see their current status.

When Output Status is displayed on the menu, press the ENTER key to view the output status. Use the scroll keys < or > to scroll through each of the outputs, allowing you to view the current status.

➢ **Press CLEAR twice to exit all Menu's at any time, this will take you back to step 1.**

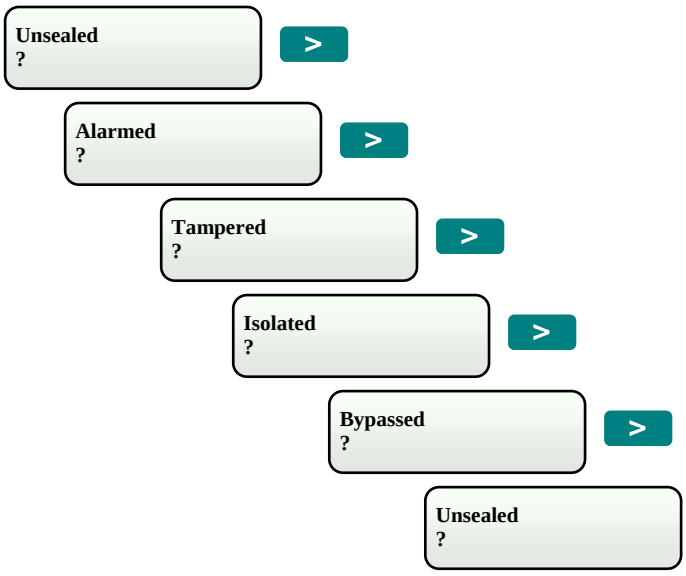
Input Menu

Unsealed > Alarmed > Tampered > Isolated > Bypassed

The Inputs Menu allows the user to view the status of inputs in any of the following conditions; Unsealed, Alarmed, Tampered, Isolated and Bypassed.

To view the status of inputs in these conditions:

- Enter your PIN [5 JKL] [6 MNO] [0] [9 wxy] press [ENTER]
- Press [CLEAR] The Genesis menu will appear, with **DISPLAY ?** showing on the screen
- Use the [<] or [>] keys to select the menu **INPUTS ?**
- Press [ENTER]
- Use the [<] or [>] keys to navigate through the **INPUTS** menu as follows:



- When the desired menu option is displayed on the RAS, press [ENTER]

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Input Menu (continued)

Unsealed ?

– Use the < or > keys to scroll through any inputs which are currently in an unsealed condition.

Alarmed ?

– Use the < or > keys to scroll through any inputs which are currently in an alarmed condition.

Tampered ?

– Use the < or > keys to scroll through any inputs which are currently in a tampered condition. Tampered inputs should be investigated promptly, as they represent a possible breach of your security. If a tampered input resets, it should be tested to ensure that it will still unseal and alarm when required.

Isolated ?

– Use the < or > keys to scroll through any inputs which are currently isolated. Isolated inputs will not register as being unsealed, and as such will not cause alarm conditions.

Bypassed ?

– Use the < or > keys to scroll through any inputs which are currently bypassed. Bypassed inputs will not register as being tampered with, and should be investigated promptly. Inputs should only be bypassed when being serviced by your Service Technician.

➢ **Press CLEAR twice to exit all Menu's at any time, this will take you back to step 1.**

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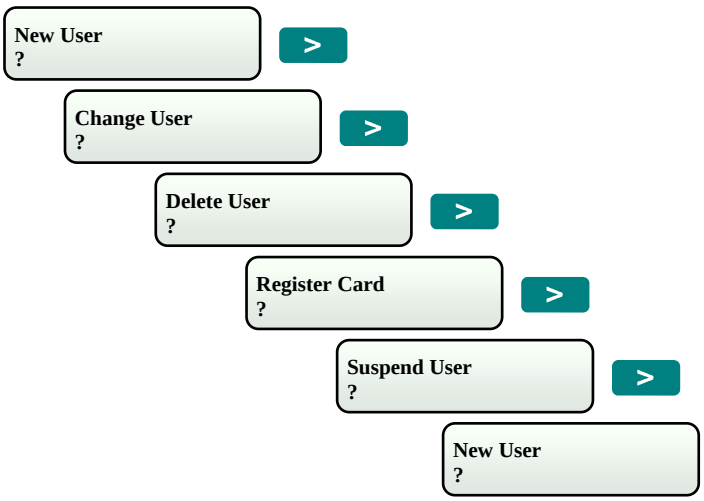
Control Menu

New User > Change User > Delete User > Change Pin>
Register Card > Remove Card > Suspend User

The Users Menu allows the user complete control who has access to the system through either the RAS's or Card Readers. It includes options allowing the user to add new users, change existing user setup, delete users and to simply change a users PIN number. It also allows the user to assign and remove cards from a user's profile, and also allows the user to suspend a users details.

To access the user menu options:

- Enter your PIN 5 JKL 6 MNO 0 9 wxy
- Press ENTER
- Press CLEAR The Genesis menu will appear, with **DISPLAY ?** showing on the screen
- Use the < or > keys to select the **User ?** menu
- Press ENTER use the < or > keys to navigate through the **User** menu as follows:



- When the desired menu option is displayed on the RAS, press ENTER

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User Menu

New User

- After pressing ENTER **Enter User ID ?** will be displayed.
  Enter the user number for the new user. Note that this is not the PIN but the actual user number.

- Press ENTER **Enter PIN ?** will now be displayed.
  Enter the PIN for this user number.

- Press ENTER **Enter DURESS OFF?** will be displayed.
  Use ON or OFF to change the option if necessary. If turned on, adding one to the PIN will result in a duress alarm. This can be entered into a remote arming station if a person is forced to provide access to an intruder.

- Press ENTER **Enter GROUP ?** will be displayed.
  Use < or > to locate the required group. The group determines what areas the user can arm, what doors they can access, and what menus they can use. The group names and descriptions should be supplied to you by your Service Technician.

- Press ENTER **Expire DDMMYY ?** will be displayed.
  If an expiry date is required for the users code, enter it in the format of DDMMYY. For example, 23rd January 2012 would be entered as 230112. If no expiry date is required then leave the field blank.

- Press ENTER **Change DDMMYY ?** will be displayed.
  If the user is required to change their PIN, enter the date for the user to change their PIN in the format of DDMMYY. For example, 23rd January 2012 would be entered as 230012. If they can always use the same PIN then leave the field blank.

- Press ENTER **Enter NAME ?** will be displayed.
  Use the keypad to enter the user's name. To access the letters, press the key multiple times. For example, to insert a S press 7 PRS three times. Up to 15 Characters can be entered for the users name. The format "J Smith" for John Smith is recommended as opposed to entering first name only.

- Press ENTER **Insert User ON to Confirm** will be displayed.

User Menu (continued)

Change User

Go to the User menu using the procedure described on page 18.

- Press > until Change User ? is displayed.
- Press ENTER
- Make changes to users details as described in the New User instructions on previous page.

Delete User

Go to the User menu using the procedure described on page 18.

- Press > until Delete User ? is displayed.
- Press ENTER Enter User ID ? will be displayed.

Enter the user number. Note that this is not the PIN but the actual user number.

Delete User ON to Confirm will be displayed.

- Press ON the user is now deleted and will not have access to any RAS.

Change Pins

Go to the User menu using the procedure described on page 18.

- Press > until Change PIN ? is displayed.
- Press ENTER Enter USER ID ? will be displayed.
- Enter the user number. Note that this is not the PIN but the actual user number.
- Press ENTER the user name will be displayed.
- Press ENTER Enter PIN ? will be displayed.
- Enter the users new PIN and press ENTER

The users PIN has now been changed

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User Menu (continued)

Register Card

Go to the User menu using the procedure described on page 18.

- Press [>] until [Register Card ?] is displayed.
- Press [ENTER] [Enter USER ID ?] will be displayed.
- Enter the user ID. Note that this is not the PIN, but the actual user number.
- Press [ENTER], the users name will be displayed, along with a card number if already programmed.
- Press [ENTER] will be displayed
- Present the users card to the reader attached to the RAS.
- The cards Facility code and Card number will be displayed on the RAS. Press [ENTER]
- [User: 2 Database Update] Will be displayed on the RAS. Press [ENTER]

The card will now be programmed to the user.

Remove Card

Go to the User menu using the procedure described on page 18.

- Press [>] until [Remove Card ?] is displayed.
- Press [ENTER]
- [Enter USER ID ?] will be displayed.
- Enter the user number. Note that this is not the PIN, but the actual user number.
- Press [ENTER] the users name and card number will be displayed.
- Press [ENTER] to confirm that this is correct and remove the card from the user or press [CLEAR] if you do not want to remove the card from the displayed user.

User Menu (continued)

Suspend User

Go to the User menu using the procedure described on page 18.

- Press [>] until [Suspend User ?] is displayed
- Press [ENTER] [Enter USER ID ?] will be displayed
- Enter the user number. Note that this is not the PIN, but the actual user number
- Press [ENTER] the users name will be displayed on the RAS
- Press [ON] to suspend the user, or [OFF] to put the user back in service
- Press [ENTER] [User: 2 Database Update] will be displayed
- Press [ENTER] The user will have been suspended

PINS Menu - (for changing own personal PIN)

The PINS Menu allows the user to change their own user PIN only. It does not allow changes to any other users, or to any of the users settings.
To change your own PIN.

- Enter your PIN [5 JKL] [6 MNO] [0] [9 wxy]
- Press [ENTER]
- Press [CLEAR] the Genesis menu will appear, with [DISPLAY ?] showing on the screen
- Use the [<] or [>] keys to select the [PIN ?] menu
- Press [ENTER] [Enter PIN ?] is displayed on the RAS
- Enter your new PIN and press [ENTER] [User: 2 Database Update] will be displayed
- Press [ENTER] your PIN will now have been updated
- **Press [CLEAR] twice to exit all Menu's at any time, this will take you back to step 1.**

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Setting Menu

Change Holiday > Set Time/Date

The Setting Menu allows the user to adjust the current time and date clock in the system, and to also change which days are to be treated as holidays. Holidays are used to override some functions. For example, it is possible to suspend access on holidays, change the hours of operation or do an alternative action.

To adjust either of these options:

- To Enter your PIN 5 JKL 6 MNO 0 9 wxy
- Press ENTER
- Press CLEAR, the Genesis menu will appear with DISPLAY ? showing on the screen
- Use the < or > keys to select the SETTINGS ? menu
- Press ENTER
- Use the < or > keys to navigate through the SETTINGS ? menu as follows
- When the desired menu option is displayed on the RAS, press ENTER adjust either of these options:

Setting Menu (continued)

Change Holidays

- Press ENTER

should be displayed
- Press > to select either the required holiday or to find a blank holiday
- Press ENTER

should be displayed
- Enter the date in the format of **DDMMYY** where **DD** are the days, **MM** are the months and **YY** are the years. For example, 21st August 2010 would be **210810**
- Press ENTER

should be displayed
- Enter the description of the holiday.
- Press ENTER

will be displayed.
- Press ON The holiday is now set.

Set Time / Date

- Press ENTER

should be displayed.
- Enter the time in the format of **HHMM** where **HH** are the hours in 24 hour format, and **MM** are the minutes. For example, 10:32 am would be 1032. 10:32 pm would be 2232.
- Press ENTER

should be displayed.
- Enter the date in the format of **DDMMYY** where **DD** are the days, **MM** are the months and **YY** are the years. For example, 21st August **2010** would be **210810**
- Press ENTER

will be displayed.
- Press ON the date will now be set.
- **Press CLEAR twice to exit all Menu's at any time, this will take you back to step 1.**

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Service (Testing)

Service

Bypass Input > LCD Contrast > Show Card > Unit On/Off > Dialler On/Off > Securitel On/Off > Modem On/Off

You are able to bypass inputs, adjust the LCD Contrast of your Keypad (RAS) Identifying User Cards, and Selecting Dialler, Securitel and Modem functions, selecting them to be either **ON** or **OFF**.

How to Bypass inputs if system cannot be Armed

If you are unable to *Arm* your alarm system, one possibility is that one of your inputs is unsealed. For example, your input device is a broken, (example) reed switch on a door or window. The only way to *Arm* a Genesis system is when all the inputs are sealed. Bypassing an input also means that the Genesis system will see a seal on the broken input. The following steps can be used so you can bypass an input and secure the system. This fault should be reported to your system installation Company to rectify this input.

How to bypass an input

To select this options please follow the example below:

- Enter your PIN [5 JKL] [6 MNO] [0] [9 wxy]
- Press [ENTER]
- Press [CLEAR] the Genesis menu will appear, with **SERVICE ?** showing on the screen
- Press [ENTER]

SERVICE ? [>]

Bypass input [>]

Sensor 1 Unsealed [CLEAR]

SERVICE ?

- Press [ON] or [OFF] to bypass the relevant input. You can now arm your system using procedure on page 9input

Service (continued)

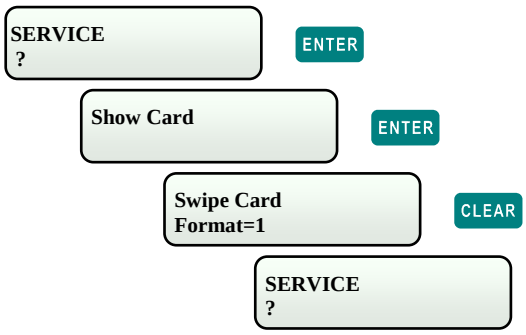
Bypass Input > LCD Contrast > Show Card > Unit On/Off > Dialler On/Off > Securitel On/Off > Modem On/Off

How to find a card number and site code, using RAS display

If there is a reader connected to your RAS, this becomes a handy option for TECHNICIANS to check what card number and what site code is on the user card.

This option is used when the card is unknown and is not programmed in to the system. To select this option take the following steps.

- Enter your PIN [5 JKL] [6 MNO] [0] [9 wxy]
- Press [ENTER]
- Press [CLEAR] the Genesis menu will appear, with **SERVICE ?** showing on the screen
- Use the [<] or [>] scroll keys to select the *show card* on the menu.



- When you present the card to the reader both the card number and the site code will be displayed on the RAS LCD display.
- **Press [CLEAR] twice to exit all Menu's at any time, this will take you back to step 1.**

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Service (continued)

Bypass Input > LCD Contrast > Show Card > Unit On/Off > Dialler On/ Off > Securitel On/Off > Modem On/Off

How to send a LAN device online or offline

This option is reserved for installers only. **Do not use.**

How to turn off the Dialler

This option is reserved for installers only. **Do not use.**

How to turn off the Securitel

This option is reserved for installers only. **Do not use.**

How to turn off the Modem

This option is reserved for installers only. **Do not use.**

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Basic System Descriptions

What are Areas?
The Genesis security system is designed to protect one or more Areas. An area is normally a section of a building which has specific security requirements. The Genesis allows a system to be divided in to 64 areas of different security requirements. Each area is identified by number and name.
For example: **Area-1** may be an Office, **Area-2** Warehouse, **Area-3** House, **Area-4** Garage, etc.

What are PIN Codes?
PIN codes are personal identification numbers allocated to system users. The PIN codes are used to turn your security areas on and off. The PIN code can also be used to enter or change information in the Genesis. There are two different ways in which the Genesis system will allow users access.
Users 1-99 can a have a 4-7digit PIN code of say 1234 this method is most commonly used as it is only 4-7 digits in length. Alternatively, user 101 and above must have user ID and PIN number, this method offers higher level of security with up to 12 digits required to gain access.

For example: if you are user 123 and your PIN code is 5678. You would need to press ENTER 123 ENTER 5678 ENTER All users are allowed to operate the Genesis system. Users are allocated names that are chosen by system management, so that Genesis can identify to the operator who is using the system and when. The Genesis system also keeps a log of any user activity which operates the system.

What is Secure and Access?
Secure and Access means turning a systems Area or group of Areas either On or Off. If the area is in Secure state, it is switched On, or if system is in Access state, switched Off. The Genesis system supports up to 64 security areas, these areas can be Secured individually.

What are Inputs?
Alarm inputs are provided for connection to various types of intrusion or fire detectors that are installed to activate an alarm when unauthorised access or fire is detected in the area. The inputs all have names, so that the user can identify these inputs connected to specific detection devices.
For Example: Office sensor, Workshop PIR, Door reed, Smoke sensor, etc.

Isolate and de-isolating Inputs?
It may be necessary to isolate an individual input such as a motion detector or reed switch. This should be done if the input is known to be faulty and the technician can not service your system immediately. Please note that when an input is isolated it cannot generate an alarm, so if the input has been isolated it needs to be serviced immediately to ensure your systems integrity.

What are Sealed Inputs?
Describes a condition of an input device. SEALED: The input device is sealed, eg. The door or window is closed UNSEALED: The input device is not sealed, eg, he door or window is open ISOLATED: The input device has been isolated and is temporary rendered inoperative. It is excluded from functioning as part of the system.

What are Clocks?
The Genesis System has a number of ways to automate and control certain devices or appliances. One of those is through built-in Clocks. There are up to 64 different clocks built-in to Genesis system.
For example: The Clocks can control a number of doors that can be programmed to remain open and allow free access EG, from 9am – 5pm. Lighting can be programmed to come on and switch off at a predetermined times, etc. Clock functions are ideal when utilised with building automation.

What is On-line / Off-line?
The RAS LCD display indicates if the system device is either ON-LINE or OFF-LINE. The RAS is either operational / not operational, not communicating on LAN network. If Off-Line call service technician immediately

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Glossary

Access The secured area is disarmed, or the door (electric lock is released)

Area An area is a group of inputs, typically defined to by their location or function.

Input An input monitors a detection device to the Genesis system. Each input device is identified by the number and text on the (RAS) display. eg. Hallway sensor, Hold-Up button, Door switch.

Armed The security system or specific area is armed, (turned ON) secured.

Alarm Typically an input in an armed area has detected a possible intrusion. An alarm is something that may require an immediate response.

Card A credential used to identify the user. This could be a proximity card, magnetic swipe card, or even a finger print reader, or other biometric method.

Disarmed Security system or area is disarmed. The security area will not monitor its inputs. Typically an occupied area will be disarmed.

Duress When the Duress is activated the user has been forced to enter their PIN to activate Duress. The duress code is one more than the users normal PIN. Duress activation will normally report a silent alarm to the monitoring station.

Isolate Stops the input from triggering an alarm. An input should only be isolated if it is faulty (and a technician has been notified) or service is being conducted on it.

PIN Personal Identification Number. The number entered into the RAS to identify the user.

PIR Passive Infrared Detector is a motion detector that detects infrared energy and movement in a protected area (room)

Reed Two devices used for monitoring doors and windows. When separated the switch will open to indicate that the door or window is open.

Secure The security area will monitor all of its inputs. If any input with-in the area is un-sealed, an alarm will be triggered. Typically an unoccupied area will be secured.

Sealed The area is armed and all inputs are sealed or bypassed, system is ready to be secured.

Tamper The system has detected that a tamper alarm, control cabinet may be opened or the system cabling has been tampered with. A technician should check the system as soon as possible. A tamper indicates that the system may have been tampered with and may not offer full protection until it is serviced and tamper input is restored.

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Troubleshooting

Problem: Unable to Arm System
When the system is being armed with a PIN number and unsealed inputs are being registered on the RAS display. In the event that an input device is damaged and cannot seal or close.

Solution:
The input needs to be manually ISOLATED instructions for this area is located on page 17. Go through the steps so you are able to secure your alarm system. You may need to call your installation company to rectify the relevant input devices.

Problem: You cannot open a Door with your card.

Solution:
a. Genesis is not only an alarm system, it is also an access control system. Your card may only be allocated to one door. It cannot control other than your specific door (s) allocated to your card. You will need to call your installation company to change your access level if required.

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User Record

#	User Name	Card Number	Access Level
1			
2			
3			
4			
5			
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10			
11			
12			
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31			
32			

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User Record (continued)

#	User Name	Card Number	Access Level
33			
34			
35			
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41			
42			
43			
44			
45			
46			
47			
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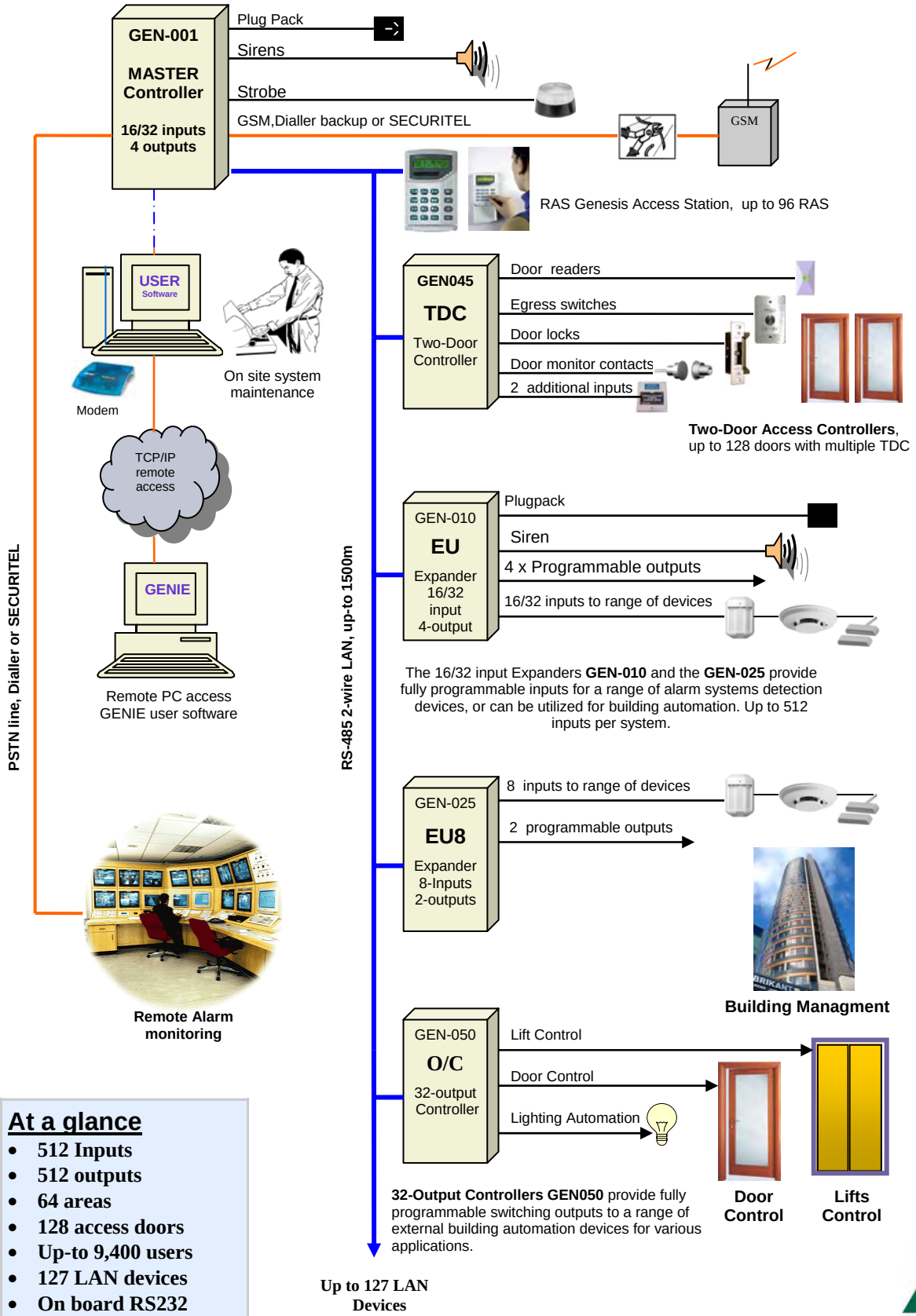
System Layout

Example Layout when Connected to external devices that make up the complete system



At a glance

- 512 Inputs
- 512 outputs
- 64 areas
- 128 access doors
- Up-to 9,400 users
- 127 LAN devices
- On board RS232

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